at1110paper_practice_test (v13)

1. Expand the following expression into standard form.

$$(5x + 6)(9x - 4)$$

2. Solve the equation.

$$(8x + 9)(6x + 5) \;=\; 0$$

3. Expand the following expression into standard form.

$$(8x - 7)(8x + 7)$$

4. Expand the following expression into standard form.

$$(7x + 5)^2$$

5. Factor the expression.
$$x^2 + 9x + 20$$

6. Factor the expression.
$$16x^2 - 25$$

7. Solve the equation with factoring by grouping.
$$6x^2 + 8x - 15x - 20 \ = \ 0$$

8. Solve the equation.
$$7x^2 - 23x + 42 \ = \ 5x^2 - 4x - 3$$